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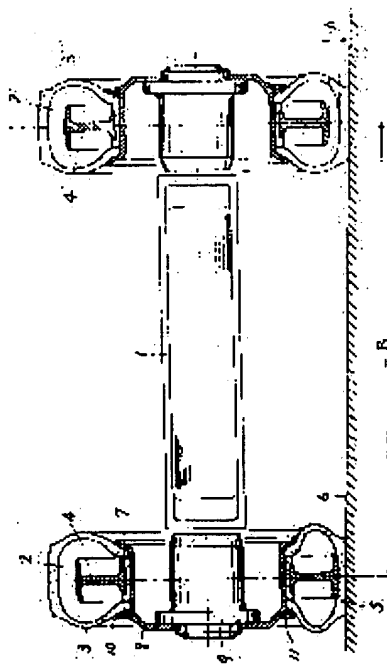
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(54) TIRE WHEEL CONTAINING GAS WITH BUILT-IN AUXILIARY WHEEL PROTECTING TIERE TREAD

(57)Abstract:

PURPOSE: To uniform a grounding face pressure of a tire tread by forming an external shape of an auxiliary wheel, which operates at the time of lowering of internal pressure of a tire and restricts its flection, as a cone with a slope corresponding to a slant of an axle when the auxiliary wheel of one side is operated and further crowning said wheel.

CONSTITUTION: Wheels 2, 2' are respectively composed of tires 3, 3' containing gas and fitted on both ends of an axle 1, and their built-in metallic auxiliary wheels 4, 4'. In this case, if, for example, internal pressure of the tire 3 for the wheel 2 is lowered and the auxiliary wheel 4 comes in contact with the interior of the tire 3 due to its flection, and a tire tread 5 is held between a traveling road surface 6 and the outer periphery of the auxiliary wheel 4, a difference is made between both ends of the axle 1 in the height by a gap A between the outer periphery of the auxiliary wheel 4 of a normal tire and the interior of the tire 3, and the slant angle of the axle 1 is a value obtained through dividing the gap A by an interval B between wheels. Thus, the external shape of the auxiliary wheel 4 is based on a cone with a slope corresponding to a slant of the axle 1 and further crowned correspondingly to a section of the tire tread 5.



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